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DIALOG(R)File 351:DERWENT WPI

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IM- \*Image available\*

AA- 92-000821/199201 |

XR- <XRAM> C92-000323|

TI- Hardenable organo-polysiloxane prods. - contains oxyalkylene gps.  
substd. by opt. substd. vinyl ester gps. and bound through  
silicon-oxygen-carbon gps. |

PA- GOLDSCHMIDT AG TH (GOLD )|

AU- <INVENTORS> DOEHLER H; WEITEMEYER C; DOHLER H|

NC- 007|

NP- 006|

PN- EP 462389 A 19911227 EP 91107347 A 19910507 199201 B

PN- DE 4019711 A 19920109 DE 4019711 A 19900621 199203

PN- EP 462389 A3 19920708 EP 91107347 A 19910507 199334

PN- US 5260402 A 19931109 US 91700492 A 19910515 C08G-077/14 199346

<AN> US 92904749 A 19920625

PN- EP 462389 B1 19940824 EP 91107347 A 19910507 C08G-077/18 199433

PN- DE 59102611 G 19940929 DE 502611 A 19910507 C08G-077/18 199438

<AN> EP 91107347 A 19910507|

AN- <LOCAL> EP 91107347 A 19910507; DE 4019711 A 19900621; EP 91107347 A  
19910507; US 91700492 A 19910515; US 92904749 A 19920625; EP 91107347 A  
19910507; DE 502611 A 19910507; EP 91107347 A 19910507|

AN- <PR> DE 4019711 A 19900621|

CT- NoSR.Pub; EP 18624; EP 284863; EP 329279; US 4906718|

FD- EP 462389 A

<DS> (Regional): BE DE FR GB IT NL

FD- US 5260402 A CIP of US 91700492

FD- EP 462389 B1

<DS> (Regional): BE DE FR GB IT NL

FD- DE 59102611 G Based on EP 462389|

LA- US 5260402(14); EP 462389(G<PG> 35)|

DS- <REGIONAL> BE; DE; FR; GB; IT; NL|

AB- <BASIC> EP 462389 A

Organopolysiloxanes (I) are of formula (1), where R1 = 1-4C alkyl or Ph, at least 90% being Me; R2 = 1-20C alkyl, aryl, aralkyl, or (opt. substd.) vinyl ether-substd. oxyalkylene ether gps. of formula (2), R3 = n-valent gp. of cpd. (R3)Hn with n active H atoms capable of addn. to oxiranes; R4 = H, hydrocarbon gp., or R5OCH2; R5, R6 = hydrocarbon gp. or acyl; R7, R8, R9 = H or 1-8C hydrocarbon gp., or R7 and R8, or R8 and R9 are together component of a cyclic, nonaromatic, 5 or 6 hydrocarbon gp.; n = 1-6; m has average value 1-2; x, y, w, and z have average value 0-100, where w + z is at least 1, at least one gp. of formula (3) being present in average mol., a has average value 1-1000; b has average value 0-10.

USE/ADVANTAGE - Partic. as photohardenable polysiloxanes, in casting compsns., adhesive coating agents for surface supports, or modifying additive in cpds. hardenable radically, cationically or through UV or electron beams (claimed), including in protective, decorative, and insulating coatings, embedding compsns., printing inks, sealants, adhesives, photoresists lacquers, insulation for wires, coating textiles, laminates, impregnated tapes, printing plates, etc. (I) are obtd. with desired number of opt. substd. vinyl ether gps. without being restricted to number of SiH gps. in starting material so hardening and crosslinking properties can be influenced and regulated over wide range, method of prepn. is simple and does not involve use of toxic reactants such as chloroethyl vinyl ether. (28pp Dwg.No 0/0)|

AB- <EP> EP 462389 B

Curable organopolysiloxanes with oxyalkylene ether groups bonded via SiOC groups, of the general average formula (I) wherein the radicals R1 are identical or different and denote alkyl radicals having 1 to 4 carbon atoms or phenyl radicals, with the proviso that at least 90% of the radicals R1 are methyl radicals, R2 are identical or different and denote alkyl radicals having 1 to 20 carbon atoms, aryl radicals, aralkyl radicals or oxyalkylene ether radicals of the general formula (II) in which R3 is an n-valent radical of a compound (R3)Hn

with n active hydrogen atoms which is capable of adding on oxiranes, R4 is a hydrogen, hydrocarbon or R5OCH2 radical, R5 is a hydrocarbon or acyl radical, R6 is a hydrocarbon or acyl radical, R7, R8 and R9 are each hydrogen or hydrocarbon radicals having 1 to 8 carbon atoms, or wherein R7 and R8 or R8 and R9 together are a constituent of a cyclic, non-aromatic hydrocarbon radical having 5 or 6 carbon atoms, n is a number from 1 to 6, m has an average value of 1 to 2, and m may not be greater than n, x, y, w and z in each case have an average value of 0 to 100, and w + z must be greater than or equal to 1, with the proviso that at least one group of the formula (III) must be present in the average molecule, a has an average value of 1 to 1000 and b has an average value of 0 to 10.

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AB- <US> US 5260402 A

The curable organopolysiloxane, which contains oxyalkylene ether gps. linked through SiOC gps., and general formula (I), and is prepd. by reacting a polyoxalkylene ether with an organopolysiloxane, optionally in the presence of a solvent at 25-170 deg.C.

R1 is 1-4C alkyl or phenyl, with the proviso that 90% or more of them are Me; R2 is 1-20C alkyl, aryl, aralkyl or oxyalkylene ether of general formula (II); R3 is an n-valent gp. derived from cpd. (R3)Hn with n active H-atoms, from water, ammonia, a mono- and polyhydric alcohol, a mono- or polyhydric phenol, a mono- or polycarboxylic acid, and hydrocarboxylic acid, a mono- or polyamine; R4 is H, hydrocarbon or R5OCH2-; R5 is H, hydrocarbon or acyl; R6 is hydrocarbon or acyl; R7-9 are H or 1-8C hydrocarbon, or R7 and R8 or R8 and R9 can be linked together to form a cyclic, nonaromatic 5-6C hydrocarbon gp.; n is 1-6; m has an average value of 1-2, provided m is not equal to n; x, y, w, z, are 0-100, with the proviso that w+z is 1 or more; and the sum  $(x(n-m)+w.m)$  is over 1, with the further proviso that in the average molecule one or more R-gp. is an oxyalkylene ether gp.; a has average value of 1-1,000 and b has an average value of 0-10.

USE - Castings, adhesives, etc. are prepd. from the organopolysiloxanes.

Dwg.0/0|

DE- <TITLE TERMS> HARDEN; ORGANO; POLYSILOXANE; PRODUCT; CONTAIN; OXYALKYLENE; GROUP; SUBSTITUTE; OPTION; SUBSTITUTE; VINYL; ESTER; GROUP ; BOUND; THROUGH; SILICON; OXYGEN; CARBON; GROUP|

DC- A26|

IC- <MAIN> C08G-077/14; C08G-077/18|

IC- <ADDITIONAL> C08G-077/38; C08G-077/46; C08L-083/06; C08L-083/12; C09D-183/06; C09D-183/12|

MC- <CPI> A06-A00B|

FS- CPI||